

ADDITIONS TO THE REVISED CATALOGUE OF OHIO VASCULAR PLANTS. X.¹

CLYDE H. JONES

In spite of the unstable and unpredictable status of transportation and employment, the enthusiasm and activity of the amateur botanists throughout the State have not abated during the past year. This fact is amply proven by the many collections of carefully prepared specimens which have been contributed to the State Herbarium—specimens representing the vegetation of all of the physiographic divisions and ecological habitats of Ohio.

Likewise, the usefulness of the General Herbarium has been substantially augmented by a collection of California plants contributed by Dr. Elton Paddock, of Berkeley, California, and by specimens received from exchange with the New York Botanical Garden and the National Herbarium. The extensive addition of grass specimens from the National Herbarium has made our collection of this economically important family one of the best.

Indeed surprising are the number of erroneous conceptions quickly dispelled and the number of interesting problems introduced when we investigate the distribution of our native plants. Innumerable questions relating to migration routes, dates of migration, and factors which have favored or inhibited the establishment of many of our native species remain unsolved.

We seldom realize, however, that these same questions, when applied to some of our introduced plants, are just as intriguing academically and certainly more important economically. Even the most casual observation will prove that many of these plants are as exacting in their habitat requirements as our native ones. Many weeds which are of negligible importance in some sections of the state frequently become economic challenges of real magnitude in others, and the problems associated with their migration and eradication are constantly with us.

Observations concerning the establishment and subsequent migrations of *Hieracium aurantiacum*, the Orange Hawkweed, illustrate the value of having a county-by-county "weed flora" incorporated in our herbarium. According to these records, this beautiful but entirely too aggressive European invader made its first appearance in Ohio near Oswell, Ashtabula County, in 1895. Since that time it has migrated and become established in the meadows and pastures of nine adjoining counties. From this type of information one can predict, with reasonable certainty, that this plant will invade additional plateau counties if control measures are not applied.

The following list of plants represents a majority of the new county and state records which have been added to the State Herbarium during the past year:

1. *Ophioglossum vulgatum* L. Adder-tongue. Hocking Twp., Fairfield Co. Chas. R. Goslin. Salem Twp., Meigs Co. Clyde H. Jones.
5. *Botrychium obliquum* Muhl. Oblique Grape-fern. Black Hand Gorge, Licking Co. Chas. R. Goslin.
6. *Botrychium dissectum* Spreng. Cutleaf Grape-fern. Waterloo Twp., Athens Co. Walter P. Porter.
7. *Botrychium virginianum* (L.) Sw. Virginia Grape-fern. Highland Co. Katie M. Roads. Dellroy, Carroll Co. Clyde H. Jones.
8. *Osmunda regalis* L. Royal-fern. Goodhope Twp., Hocking Co. Chas. R. Goslin.
11. *Polypodium virginianum* L. Virginia Polypody. Holmes Co. E. P. MacArthur.
14. *Phegopteris hexagonoptera* (Mx.) Fee. Broad Beech-fern. Laurel Twp., Hocking Co. Chas. R. Goslin. Dellroy, Carroll Co. Clyde H. Jones.

¹Papers from the Department of Botany, The Ohio State University, No. 448.

16. *Adiantum pedatum* L. Maidenhair-fern. Athens Twp., Athens Co. B. B. Bodel.
20. *Anchistea virginica* (L.) Presl. Virginia Chain-fern. Stark Co. Don M. Brown.
25. *Asplenium platyneuron* (L.) Oakes. Ebony Spleenwort. Dellroy, Carroll Co. Clyde H. Jones.
29. *Athyrium thelypteroides* (Mx.) Desv. Silvery Spleenwort. Pike Co. Gordon S. Crowl. Dellroy, Carroll Co. Clyde H. Jones.
32. *Camptosorus rhizophyllus* (L.) Link. Walking-fern. Hocking Co. Chas. R. Goslin.
35. *Dryopteris cristata* (L.) Gr. Crested Shield-fern. Dellroy, Carroll Co. Clyde H. Jones.
37. *Dryopteris goldiana* (Hook.) Gr. Goldie's Shield-fern. Pike Co. Gordon S. Crowl.
43. *Dennstaedtia punctilobula* (Mx.) Moore. Boulder-fern. Pike Co. Gordon S. Crowl.
44. *Cystopteris bulbifera* (L.) Bernh. Bulbiferous Bladder-fern. Ross Co. Gordon S. Crowl.
45. *Cystopteris fragilis* (L.) Bernh. Fragile Bladder-fern. Pike and Ross Co. Gordon S. Crowl. Lancaster, Fairfield Co. Chas. R. Goslin.
48. *Onoclea sensibilis* L. Sensitive-fern. Clay Twp., Perry Co. Chas. Reutinger.
49. *Marsilea quadrifolia* L. European Marsilea. Franklin Co. Jane Roller. Introduced.
54. *Equisetum praealtum* Raf. Great Scouring Rush. Revenge, Fairfield Co. John H. Schaffner. Tillerman Bog, Greenville, Darke Co. Dale W. Jenkins.
56. *Equisetum nelsonii* (A. A. Eat.) Schaff. Nelsons' Scouring-rush. Ross Co. Gordon S. Crowl.
62. *Lycopodium lucidulum* Mx. Shining Club-moss. Monroe Co. Clyde H. Jones.
- 67.2. *Lycopodium tristachyum* Pursh. Jefferson Twp., Knox Co., F. J. VanVoorhes.
73. *Pinus strobus* L. White Pine. Grandview Twp., Washington Co. L. E. Hicks.
83. *Sagittaria latifolia* Willd. Broad-leaf Arrow-head. Loudenville, Ashland Co. Anonymous. Pike Co. Gordon S. Crowl.
87. *Alisma subcordatum* Raf. American Water-plantain. Wood Co. R. E. Shanks. Pike and Ross Co. Gordon S. Crowl.
108. *Potamogeton dimorphus* Raf. Spiral Pondweed. Stark Co. Don M. Brown.
112. *Najas flexilis* (Willd.) Rost. & Schm. Slender Najas. Ottawa Co. Don M. Brown.
116. *Nymphaea advena* Sol. Large Yellow Water-lily. Clinton Twp., Wayne Co. Ed. MacArthur.
120. *Vallisneria spiralis* L. Tape-grass. Franklin Co. L. E. Hicks.
129. *Spathyema foetida* (L.) Raf. Skunk Cabbage. Eden Twp., Licking Co. Warren Abbott.
131. *Arisaema dracontium* (L.) Schott. Green-dragon. Trumbull Co. R. E. Shanks.
132. *Arisaema triphyllum* (L.) Torr. Jack-in-the-pulpit. Highland Co. Katie M. Roads. Athens, Athens Co. Warren Abbott.
134. *Lemna trisulca* L. Ivy-jointed Duckweed. Portage Co. Chas. Goslin.
136. *Lemna minor* L. Lesser Duckweed. Ross Co. Gordon S. Crowl.
141. *Scirpus cyperinus* (L.) Kunth. Wool-grass Bulrush. Ross Co. Gordon S. Crowl.
143. *Scirpus atrovirens* Muhl. Dark-green Bulrush. Ross Co. Gordon S. Crowl.
146. *Scirpus validus* Vahl. Great Bulrush. Ross Co. Gordon S. Crowl.
157. *Eleocharis compressa* Sull. Flat-stemmed Spike-rush. Portage Co. Don M. Brown.
160. *Eleocharis reclinata* Kunth. Matted Spike-rush. Ross Co. Gordon S. Crowl. Wood Co. R. E. Shanks.
168. *Cyperus strigosus* L. Straw-colored Cyperus. Hocking Co. Don M. Brown.
170. *Cyperus filiculmis* Vahl. Slender Cyperus. Adams Co. Don M. Brown.
199. *Carex muhlenbergii* Schk. Muhlenberg's Sedge. Pleasant Twp., Fairfield Co. Chas. R. Goslin.
223. *Carex sterilis* Willd. Sterile Sedge. Berne Twp., Fairfield Co. Chas. R. Goslin.
229. *Carex tribuloides* Whal. Blunt Broom Sedge. Portage Co. Don M. Brown.
239. *Carex suberecta* (Olney) Britt. Prairie Straw Sedge. Berne Twp., Fairfield Co. Chas. R. Goslin.
243. *Carex strictior* Dew. Tussock Sedge. Portage Co. Don M. Brown.
250. *Carex crinita* Lam. Fringed Sedge. Scioto Co. Katie M. Roads.
256. *Carex pennsylvanica* Lam. Pennsylvania Sedge. Stark and Geauga Co. Don M. Brown.
267. *Carex platyphylla* Car. Broadleaf Sedge. Tuscarawas Co. Don M. Brown.
272. *Carex gracilescens* Steud. Loose-flowered Sedge. Tuscarawas and Stark Co. Don M. Brown.
275. *Carex shriveri* Britt. Shriver's Sedge. Highland Co. Katie M. Roads.
278. *Carex oligocarpa* Schk. Few-fruited Sedge. Laurel Twp., Hocking Co. Chas. R. Goslin.
289. *Carex swanii* (Fern.) Mack. Swan's Sedge. Wood Co. R. E. Shanks.
314. *Carex hystricina* Muhl. Porcupine Sedge. Portage Co. Don M. Brown.
317. *Carex frankii* Kunth. Frank's Sedge. Ross Co. Gordon S. Crowl.
320. *Carex intumescens* Rudge. Bladder Sedge. Spruce Run, Hocking Co. Chas. R. Goslin. Athens Co. Warren Abbott.

323. *Carex lupulina* Muhl. Hop Sedge. Adams and Hocking Co. Don M. Brown. Athens Co. Warren Abbott.
327. *Bromus hordeaceus* L. Soft Chess. Ross Co. Don M. Brown.
328. *Bromus secalinus* L. Common Chess. Wood Co. R. E. Shanks.
333. *Bromus ciliatus* L. Fringed Brome-grass. Stark Co. Don M. Brown.
335. *Bromus tectorum* L. Downy Brome-grass. Ross Co. Don M. Brown.
354. *Poa compressa* L. Flat-stemmed Blue-grass. Conneaut, Ashtabula Co. L. E. Hicks.
365. *Dactylis glomerata* L. Orchard Grass. Wood Co. R. E. Shanks.
366. *Eragrostis pectinacea* (Mx.) Steud. Purple Love-grass. Conneaut River, Ashtabula Co. L. E. Hicks. Belmont Co. E. E. Laughlin. Loveland, Clermont Co. J. F. James. Fairfield Co. Robert and William Goslin.
368. *Eragrostis major* Host. Strong-scented Love-grass. Adams Co. Don M. Brown.
371. *Eragrostis pilosa* (L.) Beauv. Tufted Love-grass. Reported from Lake and Hamilton Co. only. Specimens from Ashtabula, Auglaize, Franklin, Belmont, Tuscarawas, Clermont, and Scioto counties misidentified.
372. *Eragrostis frankii* Steud. Frank's Love-grass. Ross Co. Gordon S. Crowl.
379. *Tridens flava* (L.) Hitchc. Tall Purple-top. Ross Co. Gordon S. Crowl.
- 381.1. *Cynosurus echinatus* L. Painesville, Lake Co. From Herbarium of Wm. C. Werner, 1889. Introduced.
383. *Danthonia spicata* (L.) Beauv. Common Wild-oat Grass. Wood Co. R. E. Shanks.
393. *Nothololcus lanatus* (L.) Nash. Velvet-grass. Ross Co. Gordon S. Crowl.
404. *Agrostis alba* L. Red-top Bent-grass. Stark Co. Don M. Brown.
405. *Agrostis schweinitzii* Trin. Thin Bent-grass. Stark Co. Don M. Brown.
406. *Agrostis perennans* (Walt.) Tuck. Upland Bent-grass. Stark Co. Don M. Brown.
480. *Panicum wernerii* Scribn. Werner's Panic-grass. Lynx Prairie, Adams Co. A. R. Harper and R. B. Gordon.
482. *Panicum sphaerocarpon* Ell. Round-fruited Panic-grass. Ross Co. Gordon S. Crowl.
496. *Panicum clandestinum* L. Hispid Panic-grass. Ross Co. Gordon S. Crowl.
497. *Panicum latifolium* L. Broad-leaf Panic-grass. Pike Co. Gordon S. Crowl.
503. *Echinochloa crus-galli* (L.) Beauv. Common Barnyard-grass. Ross and Pike Co. Gordon S. Crowl.
507. *Paspalum muhlenbergii* Nash. Muhlenberg's Paspalum. Clinton Co. E. E. Terrell, Jr.
512. *Chaetochloa glauca* (L.) Scribn. Yellow Foxtail-grass. Ross Co. Gordon S. Crowl. Lancaster, Fairfield Co. Chas. R. Goslin.
514. *Sorghum halepense* (L.) Pers. Johnson-grass. Mingo Junction, Jefferson Co. F. P. Taylor. Introduced and established.
516. *Sorghastrum nutans* (L.) Nash. Indian-grass. Hocking Co. John N. Wolfe.
521. *Andropogon virginicus* L. Virginia Beard-grass. Clinton Co. E. E. Terrell, Jr.
522. *Andropogon scoparius* Mx. Little Bluestem. Ross Co. Gordon S. Crowl.
527. *Lilium canadense* L. Canada Lily. Dellroy, Carroll Co. Clyde H. Jones.
530. *Erythronium americanum* Ker. Yellow Adder's Tongue. Athens, Athens Co. Warren Abbott. Pike Co. Gordon S. Crowl.
531. *Erythronium albidum* Nutt. White Dog-tooth Lily. Athens, Athens Co. Warren Abbott.
534. *Allium tricoccum* Ait. Wild Leek. Wood Co. R. E. Shanks. Clinton Co. E. E. Terrell, Jr.
538. *Allium canadense* L. Meadow Garlic. Portage Co. Don M. Brown. Berne Twp., Fairfield Co. Chas. R. Goslin.
539. *Allium cernuum* Roth. Nodding Onion. Adams Co. Don M. Brown.
541. *Quamasia hyacinthina* (Raf.) Britt. Wild Hyacinth. Belmont Co. Clyde H. Jones. Loudenville, Ashland Co. Anonymous.
544. *Ornithogalum umbellatum* L. Star-of-Bethlehem. Clinton Co. E. E. Terrell, Jr. Hocking Co. Chas. R. Goslin.
555. *Trillium grandiflorum* (Mx.) Salisb. Large Flowered Trillium. Athens, Athens Co. Warren Abbott. Pike Co. Gordon S. Crowl.
556. *Trillium erectum* L. Ill-scented Trillium. Stark Co. Don M. Brown.
561. *Trillium sessile* L. Sessile Trillium. Athens Twp., Athens Co. Warren Abbott. Monroe Co. Clyde H. Jones.
562. *Medeola virginiana* L. Indian Cucumber-root. Athens Co. K. Boyd. Mohican Forest, Ashland Co. James Stevenson.
564. *Uvularia perfoliata* L. Perfoliate Bellwort. Athens, Athens Co. Warren Abbott.
565. *Uvularia grandiflora* Sm. Large-flowered Bellwort. Nelsonville, Athens Co. K. Boyd. Adams Co. Chas. R. Goslin. Mohican Forest, Ashland Co. James Stevenson.
569. *Polygonatum commutatum* (R. & S.) Dietr. Smooth Solomon's-seal. Pike and Guernsey Co. Gordon S. Crowl. North Hill Caves, Athens Co. C. Leben.
570. *Polygonatum biflorum* (Walt.) Ell. Hairy Solomon's-seal. Holmes Co. E. P. MacArthur. Mohican Forest, Ashland Co. J. Stevenson.

571. *Vagnera racemosa* (L.) Mor. False Spikenard. Athens, Athens Co. Warren Abbott.
574. *Unifolium canadense* (Desf.) Greene. False Lily-of-the-valley. Belmont Co. Clyde H. Jones. Morrow Co. R. E. Shanks.
579. *Smilax ecirrhata* (Engelm.) Wats. Upright Smilax. Farnham, Ashtabula Co. L. E. Hicks.
580. *Smilax herbacea* L. Common Carrion-flower. Laurel Twp., Hocking Co. Chas. R. Goslin. Highland Co. Katie M. Roads.
584. *Smilax rotundifolia* L. Round-leaf Greenbrier. Adams and Scioto Co. Katie M. Roads. Geauga Co. Don M. Brown.
588. *Tradescantia virginiana* L. Virginia Spiderwort. Athens, Athens Co. Warren Abbott. Pike Co. Gordon S. Crowl.
589. *Tradescantia pilosa* Lehm. Zigzag Spiderwort. Clinton Co. E. E. Terrell, Jr.
590. *Commelina communis* L. Asiatic Day-flower. Stark Co. Don M. Brown. Fairfield Co. Chas. R. Goslin.
593. *Juncus effusus* L. Common Rush. Berne Twp., Fairfield Co. Chas. R. Goslin. Pike Co. Gordon S. Crowl.
600. *Juncus aristulatus* Mx. Small-headed Grass-leaf Rush. Ross Co. Gordon S. Crowl.
604. *Juncus torreyi* Cov. Torrey's Rush. Berne Twp., Fairfield Co. Chas. R. Goslin.
607. *Juncus brachycephalus* (Engelm.) Buch. Small-headed Rush. Stark Co. Don M. Brown.
608. *Juncus acuminatus* Mx. Sharp-fruited Rush. Ross Co. Don M. Brown.
612. *Juncoides campestre* (L.) Ktz. Common Wood-rush. Geauga Co. Don M. Brown.
618. *Narcissus poeticus* L. Poet's Narcissus. Goodhope Twp., Hocking Co. Chas. R. Goslin.
620. *Dioscorea villosa* L. Wild Yam. Garrettsville, Portage Co. Don M. Brown. Pike and Ross Co. Gordon S. Crowl.
624. *Sisyrinchium graminoides* Bickn. Stout Blue-eyed-grass. Hopewell Twp., Perry Co. Chas. Reutinger. Goodhope Twp., Hocking Co. Chas. R. Goslin. Athens, Athens Co. Warren Abbott.
633. *Iris cristata* Ait. Crested Dwarf Iris. Ross Co. Gordon S. Crowl.
639. *Galeorchis spectabilis* (L.) Rydb. Showy Orchis. Pike Co. Gordon S. Crowl.
652. *Blephariglotis psycodes* (L.) Rydb. Smaller Purple Fringed-orchis. Berne Twp., Fairfield Co. Chas. R. Goslin.
654. *Ibidium cernuum* (L.) House. Nodding Lady's-tresses. Clinton Co. E. E. Terrell, Jr. Champaign Co. Arthur Harper and A. G. Welshimer.
667. *Liparis liliifolia* (L.) Richard. Large Twayblade. Clinton Co. E. E. Terrell, Jr.
668. *Liparis loelsii* (L.) Rich. Fen Twayblade. Hocking Co. Chas. Goslin.
670. *Aplectrum hyemale* (Muhl.) Torr. Putty-root. Pike Co. Gordon S. Crowl.
673. *Corallorrhiza wisteriana* Conrad. Wister's Coral-root. Scioto Co. Clyde H. Jones.
678. *Magnolia acuminata* L. Cucumber Magnolia. Dellroy, Carroll Co. Clyde H. Jones.
679. *Liriodendron tulipifera* L. Tulip Tree. Athens Co. B. B. Bodle.
680. *Asimina triloba* (L.) Dunal. Papaw. Fairfield Co. Chas. R. Goslin.
681. *Ranunculus abortivus* L. Kidney-leaf Crowfoot. Athens, Athens Co. Warren Abbott.
- 682.1. *Ranunculus allegheniensis* Britt. Mountain Crowfoot. Union Twp., Morgan Co. W. P. Porter and P. S. Wamsley.
684. *Ranunculus recurvatus* Poir. Hooked Crowfoot. Highland Co. Katie M. Roads.
689. *Ranunculus septentrionalis* Poir. Swamp Buttercup. Loudenville, Ashland Co. Anonymous.
690. *Ranunculus hispidus* Mx. Hispid Buttercup. Tuscarawas Co. Don M. Brown. Buffalo Beat, Athens Co. F. Reemsnyder.
706. *Delphinium tricornis* Mx. Dwarf Larkspur. Athens, Athens Co., and Clear Creek, Hocking Co. Warren Abbott.
707. *Delphinium exaltatum* Ait. Tall Larkspur. Scioto Co. Clyde H. Jones.
713. *Anemone quinquefolia* L. Wind Flower. Tuscarawas Co. Irma Nelson.
715. *Hepatica acutiloba* DC. Sharp-lobed Liver-leaf. Pike Co. Gordon S. Crowl. Loudenville, Ashland Co. Anonymous.
717. *Clematis virginiana* L. Virginia Virgin's-bower. Pike Co. Gordon S. Crowl.
718. *Viorna viorna* (L.) Small. Leather-flower. Jeffersonville, Fayette Co. Mrs. F. C. Lampe.
722. *Actaea alba* (L.) Mill. White Baneberry. Wood Co. R. E. Shanks.
724. *Syndesmon thalictroides* (L.) Hoffmg. Rue-anemone. Wood Co. R. E. Shanks. Holmes Co. E. P. MacArthur. Athens Co. Warren Abbott.
726. *Thalictrum dasycarpum* Fisch. & Lall. Purplish Meadow-rue. Benton Twp., Hocking Co. Chas. R. Goslin.
728. *Thalictrum polygamum* Muhl. Tall Meadow-rue. Benton Twp., Hocking Co. Chas. R. Goslin.
729. *Thalictrum dioicum* L. Early Meadow-rue. Loudenville, Ashland Co. Anonymous. Holmes Co. E. P. MacArthur. Athens, Athens Co. Warren Abbott.
- 729.1. *Thalictrum adianthifolium* Hort. Maiden-hair Meadow-rue. Highland Co. Katie M. Roads. Escaped from cultivation.

735. *Caulophyllum thalictroides* (L.) Mx. Blue Cohosh. Marion Twp., Hocking Co. Chas. R. Goslin. Athens, Athens Co. Warren Abbott.
736. *Jeffersonia diphylla* (L.) Pers. Twinleaf. Pike Co. Gordon S. Crowl.
811. *Arabis canadensis* L. Sickle-pod Rock-cress. Red Hills, Franklin Co. L. E. Hicks.
821. *Cardamine pennsylvanica* Muhl. Pennsylvania Bitter-cress. Athens, Athens Co. Warren Abbott. Pike Co. Gordon S. Crowl.
824. *Dentaria diphylla* Mx. Two-leaf Toothwort. Geauga and Tuscarawas Co. Don M. Brown.
826. *Dentaria laciniata* Muhl. Cut-leaved Toothwort. Athens, Athens Co. Warren Abbott.
840. *Raphanus raphanistrum* L. Wild Radish. Berne Twp., Fairfield Co. Wm. and Robt. Goslin.
843. *Polanisia graveolans* Raf. Clammy-weed. Newark Twp., Licking Co. Warren Abbott. Buchtel, Athens Co. Leonard Stephenson.
848. *Geranium maculatum* L. Wild Crane's-bill. Athens, Athens Co. Warren Abbott. Richland Twp., Holmes Co. E. P. MacArthur.
856. *Oxalis grandis* Small. Great Wood-sorrel. Ashtabula, Ashtabula Co. L. E. Hicks.
858. *Oxalis cymosa* Small. Tall Wood-sorrel. Pike Co. Gordon S. Crowl. Wood Co. R. E. Shanks.
867. *Linum striatum* Walt. Ridged Flax. Fairfield Co. William Goslin.
882. *Polygala viridescens* L. Purple Milkwort. Geauga Co. E. P. MacArthur. Athens Co. F. Hall. Wood Co. R. E. Shanks.
886. *Polygala verticillata* L. Whorled Milkwort. Buckeye Lake, Licking Co. Warren Abbott. Ross Co. Gordon S. Crowl.
888. *Acalypha virginica* L. Virginia Three-seeded Mercury. Pike Co. Gordon S. Crowl.
889. *Acalypha gracilens* Gr. Slender Three-seeded Mercury. Ross Co. Gordon S. Crowl.
895. *Poinsettia dentata* (Mx.) Small. Toothed Spurge. Pike Co. Gordon S. Crowl.
901. *Tithymalus cyparissias* (L.) Hill. Cypress Spurge. Tillerman Bog, Greenville, Darke Co. Dale W. Jenkins.
905. *Tithymalopsis corollata* (L.) Kl. & Garcke. Flowering Spurge. Logan Co. A. G. Welshimer.
907. *Chamaesyce preslii* (Guss.) Arth. Nodding Spurge. Buckeye Lake, Licking Co. Warren Abbott. Pike Co. Gordon S. Crowl.
909. *Chamaesyce maculata* (L.) Small. Spotted Spurge. Green Twp., Scioto Co. F. B. Chapman and Conrad Roth.
918. *Malva moschata* L. Musk Mallow. Geauga Co. E. P. MacArthur.
923. *Sida spinosa* L. Prickly Sida. Berne Twp., Fairfield Co. Wm. Goslin. Pike Co. Gordon S. Crowl.
932. *Tilia americana* L. American Linden. Laurel Twp., Hocking Co. Chas. R. Goslin.
936. *Hypericum ascyron* L. Great St. John's-wort. Portage Co. E. P. MacArthur.
937. *Hypericum prolificum* L. Shrubby St. John's-wort. Ross Co. Gordon S. Crowl.
939. *Hypericum perforatum* L. Common St. John's-wort. Clay Twp., Perry Co. Chas. Reutinger.
940. *Hypericum punctatum* Lam. Spotted St. John's-wort. Pike Co. Gordon S. Crowl. Fairfield Co. Chas. R. Goslin.
950. *Triadenum virginicum* (L.) Raf. Marsh St. John's-wort. Stark Co. Don M. Brown. Logan Co. A. G. Welshimer.
965. *Viola pubescens* Ait. Hairy Yellow Violet. Ross Co. Gordon S. Crowl.
970. *Viola rostrata* Pursh. Long-spurred Violet. Pike Co. Gordon S. Crowl.
- 971.1. *Viola arvensis* Murr. European Field Pansy. Franklin Co. L. E. Hicks.
978. *Viola cucullata* Ait. Marsh Blue Violet. Clinton Twp., Wayne Co. E. P. MacArthur. Berne Twp., Fairfield Co. Chas. R. Goslin.
- 979.1. *Viola nephrophylla* Greene. Northern Bog Violet. Green Island, Ottawa Co. Alberta Doan.
983. *Viola triloba* Schw. Three-lobed Violet. Ross Co. Gordon S. Crowl.
988. *Viola sagittata* Ait. Arrow-leaf Violet. Tuscarawas Co. Don M. Brown.
994. *Arenaria serpyllifolia* L. Thyme-leaf Sandwort. Adams Co. Don M. Brown.
1004. *Alsine graminea* (L.) Britt. Lesser Stitchwort. Clinton Twp., Wayne Co. E. P. MacArthur.
1005. *Cerastium vulgatum* L. Common Mouse-ear Chickweed. Ross Co. Gordon S. Crowl.
1006. *Cerastium viscosum* L. Mouse-ear Chickweed. Adams Co. Katie M. Roads. Pike Co. Gordon S. Crowl.
1015. *Lychnis alba* Mill. White Lychnis. Logan Co. A. G. Welshimer.
1020. *Silene latifolia* (Mill.) Britt. & Rendle. Bladder Campion. Union Twp., Logan Co. A. G. Welshimer.
1023. *Silene noctiflora* L. Night-blooming Catchfly. Amanda Twp., Fairfield Co. Chas. R. Goslin.
1035. *Dianthus armeria* L. Deptford Pink. Ross Co. Gordon S. Crowl. Clinton Co., E. E. Terrell, Jr.
1038. *Claytonia virginica* L. Spring-beauty. Monroe Co. Clyde H. Jones. Pike Co. Gordon S. Crowl.

1048. *Anychia canadensis* (L.) B. S. P. Slender Anychia. Fairfield Co. William Goslin.
1054. *Amaranthus graecizans* L. Tumble-weed. Fairfield Co. William Goslin.
1080. *Steironema ciliatum* (L.) Raf. Fringed Yellow Loosestrife. Dellroy, Carroll Co. Clyde H. Jones. Pike Co. Gordon S. Crowl.
1100. *Rumex obtusifolius* L. Broadleaf Dock. Berne Twp., Fairfield Co. Chas. R. Goslin.
1105. *Timaria scandens* (L.) Small. Climbing False Buckwheat. Pike Co. Gordon S. Crowl.
1107. *Fagopyrum fagopyrum* (L.) Karst. Buckwheat. Ross Co. Gordon S. Crowl. Benton Twp., Hocking Co. Chas. R. Goslin.
1111. *Persicaria careyi* (Olney) Greene. Carey's Persicaria. Lucas Co. R. E. Shanks.
1112. *Persicaria persicaria* (L.) Small. Lady's Thumb. Pike Co. Gordon S. Crowl. Highland Co. Katie M. Roads.
1113. *Persicaria hydropiperoides* (Mx.) Small. Mild Smartweed. Stark Co. Don M. Brown.
1114. *Persicaria punctata* (Ell.) Small. Dotted Smartweed. Pike and Ross Co. Gordon S. Crowl.
1115. *Persicaria hydropiper* (L.) Opiz. Water Smartweed. Pike Co. Gordon S. Crowl.
1116. *Persicaria lapathifolia* (L.) S. F. Gr. Pale Persicaria. Highland Co. Katie M. Roads. Wood Co. R. E. Shanks.
1117. *Persicaria pennsylvanica* (L.) Small. Pennsylvania Persicaria. Pike Co. Gordon S. Crowl.
1118. *Persicaria muhlenbergii* (Wats.) Small. Swamp Persicaria. Highland Co. Katie M. Roads. Wood Co. R. E. Shanks.
1119. *Persicaria amphibia* (L.) S. F. Gr. Water Persicaria. Indian Lake, Logan Co. A. G. Welshimer.
1120. *Tovara virginiana* (L.) Raf. Virginia Knotweed. Ross Co. Gordon S. Crowl. Highland Co. Katie M. Roads. Wood Co. R. E. Shanks.
1126. *Saururus cernuus* L. Lizard's-tail. Adams Co. Don M. Brown.
1128. *Geum vernum* Raf. T. & G. Spring Avens. Highland Co. Katie M. Roads.
1131. *Geum flavum* (Porter) Bickn. Cream-colored Avens. Clinton Co. E. E. Terrell, Jr.
1132. *Geum strictum* Ait. Yellow Avens. Pike Co. Gordon S. Crowl. Tillerman Bog., Greenville, Darke Co. Dale W. Jenkins.
1135. *Potentilla monspeliensis* L. Rough Cinquefoil. Tillerman Bog, Greenville, Darke Co. Dale W. Jenkins.
1136. *Potentilla recta* L. Upright Cinquefoil. Belmont Co. Anonymous. Clinton Co. E. E. Terrell, Jr.
1138. *Potentilla canadensis* L. Common Five-finger. Laurel Twp., Hocking Co. Chas. R. Goslin.
1139. *Potentilla pumila* Poir. Dwarf Five-finger. Adams Co. Katie M. Roads. Pike Co. Gordon S. Crowl.
1144. *Waldsteinia fragarioides* (Mx.) Tratt. Dry Strawberry. Richland Twp., Holmes Co. E. P. MacArthur.
1145. *Fragaria virginiana* Duch. Virginia Strawberry. Adams Co. Katie M. Roads. Clinton Twp., Wayne Co. E. P. MacArthur.
1148. *Rubus odoratus* L. Rose-flowered Raspberry. Logan Co. A. G. Welshimer and Lee Pennock.
1160. *Porteranthus stipulatus* (Muhl.) Britton. American Ipecac. Goodhope Twp., Hocking Co. Chas. R. Goslin.
1166. *Spiraea tomentosa* L. Steeple-bush. Ross Co. Gordon S. Crowl.
1170. *Rosa setigera* Mx. Prairie Rose. Wood Co. R. E. Shanks. Ross Co. Don M. Brown.
1179. *Agrimonia parviflora* Sol. Small-flowered Agrimony. Highland Co. Katie M. Roads.
1180. *Agrimonia rostellata* Wallr. Woodland Agrimony. Highland Co. Katie M. Roads.
1186. *Prunus virginiana* L. Black Cherry. Pike Co. Gordon S. Crowl.
1188. *Prunus mahaleb* L. Mahaleb Cherry. Warren Co. Mrs. Herbert Cook.
1194. *Prunus americana* Marsh. Wild Plum. Wood Co. R. E. Shanks.
1197. *Sorbus scopulina* Greene. Western Mountain-ash. Franklin Co. Emma Ruppersburg (1897) Cultivated.
1281. *Meibomia rigida* (Ell.) Ktz. Rigid Tick-trefoil. Liberty Twp., Wood Co. and Henry Co. R. E. Shanks.
1283. *Meibomia obtusa* (Muhl.) Vail. Ciliate Tick-trefoil. Liberty Twp., Wood Co. R. E. Shanks.
1287. *Meibomia grandiflora* (Walt.) Ktz. Pointed-leaf Tick-trefoil. Pike Co. Gordon S. Crowl. Damascus Twp., Henry Co. R. E. Shanks.
- 1287.1. *Meibomia laevigata* (Nutt.) Ktz. Smooth Tick-trefoil. Pike Co. Gordon S. Crowl.
1288. *Meibomia nudiflora* (L.) Kuntze. Naked-flowered Tick-trefoil. Wood Co. R. E. Shanks.
1289. *Lespedeza hirta* (L.) Hornem. Hairy Bush-clover. Trumbull and Henry Co. R. E. Shanks.
1290. *Lespedeza capitata* Mx. Round-headed Bush-clover. Hocking Co. Don M. Brown.
1292. *Lespedeza violacea* (L.) Pers. Violet Bush-clover. Berne Twp., Fairfield Co. Chas. R. Goslin.

1294. *Lespedeza frutescens* (L.) Britton. Wand-like Bush-clover. Washington Twp., Henry Co. R. E. Shanks.
1295. *Lespedeza virginica* (L.) Britt. Slender Bush-clover. Newark, Licking Co. Eugene Good. Pike Co. Gordon S. Crowl.
1298. *Lespedeza striata* (Thunb.) H. & A. Japan Bush-clover. Pickaway Co. Chas. Schwim.
- 1299.1. *Stylosanthes riparia* Kearney. Decumbent Pencil-flower. Letart Falls, Meigs Co. D. R. Dodd.
1300. *Vicia cracca* L. Cow Vetch. Athens Co. Warren Abbott.
1301. *Vicia villosa* Roth. Winter Vetch. Clinton Co. E. E. Terrell, Jr.
1310. *Lathyrus palustris* L. Marsh Pea. Wood Co. R. E. Shanks.
1318. *Glycine apios* L. Groundnut. Wood and Henry Co. R. E. Shanks.
1319. *Falcata comosa* (L.) Kuntze. Hog-peanut. Henry and Wood Co. R. E. Shanks.
- 1328.1. *Sedum sarmentosum* Bunge. Clear Creek, Hocking Co. Clyde H. Jones.
1330. *Sedum ternatum* Mx. Wild Stonecrop. Morgan Co. Chas. R. Goslin.
1332. *Micranthes virginiensis* (Mx.) Small. Early Saxifrage. Laurel Twp., Hocking Co. Chas. R. Goslin. Holmes Co. E. P. MacArthur. Pike Co. Gordon S. Crowl.
1333. *Micranthes pennsylvanica* (L.) Haw. Pennsylvania Saxifrage. Goodhope Twp., Hocking Co. Chas. R. Goslin.
1336. *Heuchera americana* L. Common Alum-root. Clear-creek, Hocking Co. Clyde H. Jones. Holmes Co. E. P. MacArthur.
1338. *Mitella diphylla* L. Two-leaf Bishop's-cap. Mohican Forest, Ashland Co. James Stevenson. Pike Co. Gordon S. Crowl.
1346. *Lythrum alatum* Pursh. Wing-angled Loosestrife. Logan Co. A. G. Welshimer.
1348. *Parsonia petiolata* (L.) Rusby. Blue Waxweed. Pike Co. Gordon S. Crowl.
1350. *Dirca palustris* L. Leatherwood. Wood Co. R. E. Shanks.
1357. *Ceanothus americanus* L. Common New Jersey Tea. Logan Co. A. G. Welshimer.
1363. *Vitis vulpina* L. Riverside Grape. Portage and Ross Co. Don M. Brown.
1367. *Euonymus atropurpurea* Jacq. Wahoo. Fairfield Co. William Goslin.
1372. *Celastrus scandens* L. Waxwork. Fairfield Co. William Goslin.
1378. *Aesculus hippocastanum* L. Horse-chestnut. Fairfield Co. William Goslin.
1380. *Aesculus octandra* Marsh. Yellow Buckeye. Pickaway Co. Floyd Bartley and Leslie L. Pontius.
1383. *Acer spicatum* Lam. Mountain Maple. Belmont Co. Clyde H. Jones.
1385. *Acer rubrum* L. Red Maple. Pleasant Twp., Fairfield Co. Chas. R. Goslin. Highland Co. Katie M. Roads.
1394. *Cotinus cotinus* (L.) Sarg. European Smoketree. Franklin Co. Emma Ruppersburg. Cultivated.
1397. *Platanus occidentalis* L. Sycamore. Fairfield Co. William Goslin.
1399. *Ulmus thomasi* Sarg. Cork Elm. Ross Co. Gordon S. Crowl.
1401. *Cellis occidentalis* L. Common Hackberry. Scioto Co. Clyde H. Jones.
1403. *Morus rubra* L. Red Mulberry. Fairfield Co. William Goslin.
1406. *Toxylon pomiferum* Raf. Osage-orange. Fairfield Co. William Goslin.
1408. *Humulus lupulus* L. Common Hop. Pike Co. Gordon S. Crowl.
1410. *Urticastrum divaricatum* (L.) Ktz. Wood-nettle. Ross Co. Gordon S. Crowl.
1412. *Urtica gracilis* Ait. Slender Nettle. Hopewell Twp., Perry Co. Chas. Reutinger.
1414. *Pilea pumila* (L.) Gr. Clearweed. Fairfield Co. William Goslin.
1416. *Parietaria pennsylvanica* Muhl. Pennsylvania Pellitory. Madison Twp., Scioto Co. Conrad Roth and F. B. Chapman.
1417. *Fagus grandifolia* Ehrh. American Beech. Adams Co. Clyde H. Jones.
1418. *Castanea dentata* (Marsh.) Borkh. Chestnut. Richland Twp., Holmes Co. E. P. MacArthur.
1419. *Quercus muhlenbergii* Engelm. Chestnut Oak. Pike Co. Gordon S. Crowl.
1423. *Quercus alba* L. White Oak. Fairfield Co. William Goslin.
1425. *Quercus macrocarpa* Mx. Bur Oak. Adams Co. Clyde H. Jones.
1426. *Quercus imbricaria* Mx. Shingle Oak. Wood Co. R. E. Shanks.
1430. *Quercus velutina* Lam. Black Oak. Richland Twp., Holmes Co. E. P. MacArthur.
1431. *Quercus coccinea* Wang. Scarlet Oak. Pike Co. Gordon S. Crowl. Wood Co. R. E. Shanks. Berne Twp., Fairfield Co. Chas. R. Goslin.
- 1431.1. *Quercus coccinea* Muench. var. *tuberculata* Sarg. Rush Twp., Scioto Co. Conrad Roth.
1432. *Quercus rubra* L. Red Oak. Pike Co. Gordon S. Crowl. Fairfield Co. William Goslin.
1434. *Carpinus caroliniana* Walt. Blue-beech. Fairfield Co. Chas. Goslin.
1435. *Ostrya virginiana* (Mill.) Willd. Hop-hornbeam. Laurel Twp., Hocking Co. Chas. R. Goslin.
1439. *Betula nigra* L. River Birch. Adams Co. Clyde H. Jones.
1446. *Hicoria cordiformis* (Wang.) Britt. Bitternut (Hickory). Fairfield Co. William Goslin. Pike Co. Gordon S. Crowl.
1448. *Hicoria glabra* (Mill.) Britt. Pignut (Hickory). Hocking Co. William Goslin. Pike Co. Gordon S. Crowl.
1450. *Hicoria ovata* (Mill.) Britt. Shagbark Hickory. Fairfield Co. William Goslin.

- 1455.1. *Leitneria floridana* Chapm. Cultivated. Ralph McSherry Nursery, Montgomery Co. Delzie Demaree.
1459. *Populus candicans* Ait. Balm-of-Gilead. Berne Twp., Fairfield Co. Chas. R. Goslin.
1462. *Populus grandidentata* Mx. Largetooth Aspen. Berne Twp., Fairfield Co. Chas. R. Goslin.
1464. *Salix amygdaloides* Anders. Peachleaf Willow. Stark Co. Don M. Brown.
1465. *Salix nigra* Marsh. Black Willow. Portage Co. Don M. Brown.
1469. *Salix alba* L. White Willow. Stark Co. Don M. Brown. Highland Co. Katie M. Roads.
1472. *Salix interior* Rowlee. Sandbar Willow. Carrol, Stark and Ashland Co. Don M. Brown.
1473. *Salix glaucophylla* Bebb. Broadleaf Willow. Highland Co. Katie M. Roads.
1474. *Salix cordata* Muhl. Heartleaf Willow. Portage Co. Don M. Brown.
1484. *Opuntia opuntia* (L.) Karst. Common Prickly-pear. Pleasant Twp., Fairfield Co. Chas. R. Goslin.
1493. *Grossularia cynosbati* (L.) Mill. Prickly Gooseberry. Berne Twp., Fairfield Co. Chas. R. Goslin.
1499. *Ludwigia alternifolia* L. Seed-box. Tillerman Bog, Greenville, Darke Co. Dale W. Jenkins. Wood Co. R. E. Shanks. Pike Co. Gordon S. Crowl.
1504. *Epilobium coloratum* Muhl. Purple Willow-herb. Ross Co. Gordon S. Crowl.
1505. *Epilobium adenocaulon* Haussk. Northern Willow-herb. Crane Hollow, Hocking Co. Chas. R. Goslin. Wood Co. R. E. Shanks.
1506. *Oenothera biennis* L. Common Evening-primrose. Pike Co. Gordon S. Crowl.
1507. *Oenothera oakesiana* Robb. Oakes' Evening-primrose. Ross Co. Gordon S. Crowl.
1511. *Kneiffia linearis* (Mx.) Spach. Narrowleaf Sundrops. Ross Co. Gordon S. Crowl.
1513. *Kneiffia longipedicellata* Small. Long-pedicelled Sundrops. Vinton Co. A. G. Welshimer.
1516. *Gaura biennis* L. Biennial Gaura. Cuyahoga Co. E. P. MacArthur.
1517. *Circaea lutea* L. Common Enchanter's-nightshade. Lucas Co. R. E. Shanks.
1532. *Asarum canadense* L. Wild Ginger. Athens, Athens Co. Warren Abbott.
1536. *Comandra umbellata* (L.) Nutt. Bastard Toad-flax. Richland Twp., Holmes Co. E. P. MacArthur. Buchtel, Athens Co. Warren Abbott.
1540. *Azalea lutea* L. Flame Azalea. Adams Co. Clyde H. Jones.
1543. *Epigaea repens* L. Trailing Arbutus. Richland Twp., Holmes Co. E. P. MacArthur.
1551. *Pyrola elliptica* Nutt. Shinleaf Wintergreen. Mohican Forest, Ashland Co. James Stevenson.
1557. *Monotropa uniflora* L. Indian-pipe. Athens, Athens Co. Warren Abbott. Mohican Forest, Ashland Co. James Stevenson.
1609. *Hydrophyllum appendiculatum* Mx. Appendaged Waterleaf. Adams Co. Chas. R. Goslin.
1610. *Hydrophyllum canadense* L. Broadleaf Waterleaf. Clinton Co. E. E. Terrell, Jr.
1611. *Spigelia marylandica* L. Indian-pink. Franklin Co. L. E. Hicks. Cultivated.
1613. *Ligustrum vulgare* L. Common Privet. Henry Co. R. E. Shanks. Cultivated.
1617. *Fraxinus pennsylvanica* Marsh. Red Ash. Wood Co. R. E. Shanks.
1628. *Gentiana andrewsii* Griseb. Closed Gentian. Vinton Co. Chas. R. Goslin.
1631. *Fraxera carolinensis* Walt. American Columbo. Clinton Co. E. E. Terrell, Jr.
1633. *Obolaria virginica* L. Pennywort. Ashtabula Co. L. E. Hicks.
1634. *Menyanthes trifoliata* L. Buckbean. Stark Co. Don M. Brown.
1635. *Vinca minor* L. Periwinkle. Ross Co. Don M. Brown.
1638. *Apocynum cannabinum* L. Indian Hemp. Athens Co. C. Leben.
1645. *Asclepias purpurascens* L. Purple Milkweed. Laurel Twp., Hocking Co. Chas. R. Goslin.
1646. *Asclepias incarnata* L. Swamp Milkweed. Pike Co. Gordon S. Crowl.
1647. *Asclepias pulchra* Ehrh. Hairy Milkweed. Loudenville, Ashland Co. From Ohio University Herbarium. Collector unknown. 1893.
1649. *Asclepias amplexicaulis* Sm. Bluntleaf Milkweed. Marion Co. Clyde H. Jones.
1650. *Asclepias variegata* L. White Milkweed. Hocking Twp., Fairfield Co. Clyde H. Jones. Highland Co. Katie M. Roads.
1651. *Asclepias exaltata* (L.) Muhl. Tall Milkweed. Geauga Co. Charles Dambach. Laurel Twp., Hocking Co. Chas. R. Goslin.
1655. *Gonolobus laevis* Mx. Sandvine. Athens, Athens Co. F. Reemsnyder.
- 1666.1. *Physalis subglabrata* Mack. & Bush. Smooth Ground Cherry. Licking Co. Warren Abbott.
1671. *Physalis heterophylla* Nees. Clammy Ground-cherry. Highland Co. Katie M. Roads.
1676. *Solanum carolinense* L. Horsenettle. Granville, Licking Co. Warren Abbott.
1681. *Solanum pseudo-capsicum* L. Jerusalem Cherry. Fremont, Sandusky Co. Rutherford P. Hayes. 1880.
1685. *Penstemon calycosus* Small. Calycose Beard-tongue. Ross Co. Gordon S. Crowl.
1687. *Penstemon pallidus* Small. Downy White Beard-tongue. Adams Co. E. E. Terrell, Jr.
1692. *Chelone glabra* L. Smooth Turtle-head. Logan Co. A. G. Welshimer. Wood Co. R. E. Shanks.

1694. *Scrophularia marylandica* L. Maryland Figwort. Wood Co. R. E. Shanks.
 1697. *Mimulus ringens* L. Violet Monkey-flower. Henry Co. R. E. Shanks.
 1700. *Gratiola virginiana* L. Round-fruited Hedge-hyssop. Wood Co. R. E. Shanks. Ross Co. Don M. Brown.
 1702. *Ilysanthes dubia* (L.) Barnhart. Short-stalked False Pimpernel. Hillsboro, Highland Co. Katie M. Roads. Ross Co. Gordon S. Crowl.
 1706. *Dasistoma macrophylla* (Nutt.) Raf. Mullen Foxglove. Adams Co. Don M. Brown.
 1713. *Agalinis tenuifolia* (Vahl.) Raf. Slender Agalinis. Ross Co. Gordon S. Crowl.
 1715. *Otophylla auriculata* (Mx.) Small. Auricled Otophylla. Adams Co. A. R. Harper, E. S. Thomas, and Gordon S. Crowl.
 1720. *Veronica officinalis* L. Common Speedwell. Ross Co. Gordon S. Crowl.
 1728. *Veronica arvensis* L. Field Speedwell. Ross Co. Gordon S. Crowl. Franklin Co. Don M. Brown.
 1733. *Pedicularis lanceolata* Mx. Lanceleaf Lousewort. Portage Co. E. P. MacArthur.
 1734. *Pedicularis canadensis* L. Wood Lousewort. Pike Co. Gordon S. Crowl. Athens, Athens Co. Warren Abbott.
 1744. *Bignonia radicans* L. Trumpet-creeper. Pike Co. Gordon S. Crowl.
 1762. *Dianthera americana* L. Water-willow. Pike Co. Gordon S. Crowl.
 1767. *Lappula virginiana* (L.) Greene. Virginia Stickseed. Wood Co. R. E. Shanks.
 1768. *Cynoglossum officinale* L. Hound's-tongue. Ridge Twp., Van Wert Co. M. B. Overholt.
 1770. *Mertensia virginica* (L.) DC. Virginia Cowslip. Pike Co. Gordon S. Crowl.
 1779. *Myosotis arvensis* (L.) Hill. Field Forget-me-not. Athens, Athens Co. Warren Abbott.
 1790. *Verbena stricta* Vent. Hoary Vervain. Wood Co. R. E. Shanks.
 1792. *Verbena canadensis* (L.) Britt. Large-flowered Verbena. Tillerman Bog, Greenville, Darke Co. Dale W. Jenkins.
 1793. *Lippia lanceolata* Mx. Frog-fruit. Ross and Pike Co. Gordon S. Crowl. Canaan Twp., Athens Co. Warren Abbott.
 1795. *Trichostema dichotomum* L. Blue-curls. Ross Co. Gordon S. Crowl.
 1798. *Teucrium canadense* L. American Germander. Ottawa Co. Don M. Brown.
 1799. *Teucrium occidentale* Gr. Hairy Germander. Tillerman Bog, Greenville, Darke Co. Dale W. Jenkins. Marion Co. Clyde H. Jones.
 1801. *Scutellaria lateriflora* L. Mad-dog Skullcap. Ross Co. Gordon S. Crowl.
 1802. *Scutellaria serrata* Andr. Showy Skullcap. Pike Co. Gordon S. Crowl.
 1803. *Scutellaria incana* Muhl. Downy Skullcap. Pike Co. Gordon S. Crowl. Athens Co. Warren Abbott.
 1805. *Scutellaria pilosa* Mx. Hairy Skullcap. Pike Co. Gordon S. Crowl.
 1807. *Scutellaria parvula* Mx. Small Skullcap. Adams Co. Don M. Brown.
 1809. *Scutellaria galericulata* L. Marsh Skullcap. Ottawa Co. Don M. Brown. Geauga Co. E. P. MacArthur.
 1812. *Mentha spicata* L. Spearmint. Wood Co. R. E. Shanks. Ross Co. Gordon S. Crowl.
 1813. *Mentha piperita* L. Peppermint. Wood Co. R. E. Shanks. Highland Co. Katie M. Roads.
 1817. *Mentha alopecuroides* Hull. Woolly Mint. Buchtei, Athens Co. Leonard Stephenson.
 1820. *Mentha canadensis* L. American Wild Mint. Pike Co. Gordon S. Crowl.
 1821. *Lycopus americanus* Muhl. Cutleaf Water-hoarhound. Licking Co. Warren Abbott.
 1823. *Lycopus virginicus* L. Virginia Water-hoarhound. Pike and Ross Co. Gordon S. Crowl.
 1824. *Lycopus uniflorus* Mx. Northern Water-hoarhound. Stark Co. Don M. Brown.
 1827. *Koellia virginiana* (L.) MacM. Virginia Mountain-mint. Logan Co. A. G. Welshimer. Licking Co. Warren Abbott.
 1828. *Koellia flexuosa* (Walt.) MacM. Narrowleaf Mountain-mint. Geauga Co. E. P. MacArthur.
 1829. *Koellia pilosa* (Nutt.) Britt. Hairy Mountain Mint. Adams Co. Don M. Brown.
 1840. *Hedeoma pulegioides* (L.) Pers. American Pennyroyal. Eden Twp., Licking Co. Warren Abbott.
 1842. *Agastache nepetoides* (L.) Ktz. Catnip Giant-hyssop. Henry Co. R. E. Shanks.
 1843. *Agastache scrophulariaefolia* (Willd.) Ktz. Figwort Giant-hyssop. Ross Co. Gordon S. Crowl.
 1849. *Dracocephalum virginianum* L. Virginia Dragon-head. Wood and Henry Co. R. E. Shanks.
 1853. *Stachys aspera* Mx. Rough Hedge-nettle. Wood Co. R. E. Shanks.
 1854. *Stachys cordata* Ridd. Cordate Hedge-nettle. Adams Co. Clyde H. Jones. Warren Co. E. E. Terrell, Jr.
 1859. *Lamium purpureum* L. Red Henbit. Athens, Athens Co. Warren Abbott.
 1864. *Monarda didyma* L. American Bee-balm. Athens, Athens Co. Warren Abbott.
 1867. *Monarda fistulosa* L. Wild Bergamot. Wood Co. R. E. Shanks.
 1868. *Monarda mollis* L. Canescent Wild Bergamot. Lucas and Wood Co. R. E. Shanks.
 1870. *Blephilia hirsuta* (Pursh.) Torr. Hairy Blephilia. Geauga Co. E. P. MacArthur. Ashland Co. Anonymous. Dellroy, Carroll Co. Clyde H. Jones.

1872. *Salvia pitcheri* Torr. Wild Blue Sage. Columbus, Franklin Co. Jane Roller.
1877. *Phryma leptostachya* L. Lopseed. Ross Co. Gordon S. Crowl. Wood Co. R. E. Shanks.
1885. *Plantago virginica* L. Dwarf Plantain. Athens Co. W. P. Porter.
1890. *Panax quinquefolium* L. Common Ginseng. Highland Co. Katie M. Roads.
1895. *Sanicula gregaria* Bickn. Clustered Snakeroot. Pike Co. Gordon S. Crowl.
1897. *Sanicula canadensis* L. Short-styled Snakeroot. Pike Co. Gordon S. Crowl.
1898. *Sanicula trifoliata* Bickn. Large-fruited Snakeroot. Pike Co. Gordon S. Crowl.
1957. *Galium pilosum* Ait. Hairy Bedstraw. Ross Co. Gordon S. Crowl.
1960. *Galium aparine* L. Common Cleavers. Ross Co. Gordon S. Crowl.
1961. *Galium triflorum* Mx. Fragrant Bedstraw. Fairfield Co. Chas. R. Goslin.
1963. *Galium tinctorum* L. Stiff Marsh Bedstraw. Wood Co. R. E. Shanks.
1965. *Galium concinnum* Torr. and Gray. Shining Bedstraw. Hocking Co. Chas. R. Goslin.
1969. *Sambucus canadensis* L. Common Elderberry. Clay Twp., Perry Co. Chas. Reutinger.
1979. *Viburnum dentatum* L. Toothed Arrow-wood. Adams Co. Clyde H. Jones.
1982. *Viburnum prunifolium* L. Black Haw. Richland Twp., Holmes Co. E. P. MacArthur.
1984. *Triosteum angustifolium* L. Yellow Horse-gentian. Athens, Athens Co. Warren Abbott.
1985. *Triosteum aurantiacum* Bickn. Scarlet-fruited Horse-gentian. Laurel Twp., Hocking Co. Chas. R. Goslin.
1986. *Triosteum perfoliatum* L. Common Horse-gentian. Wood Co. R. E. Shanks.
1997. *Lonicera glaucescens* Rydb. Glaucous Honeysuckle. Laurel Twp., Hocking Co. Chas. R. Goslin.
1999. *Lonicera sullivantii* Gr. Sullivant's Honeysuckle. Adams Co. Clyde H. Jones.
2003. *Valerianella chenopodifolia* (Pursh.) DC. Goosefoot Corn-salad. Clinton Twp., Wayne Co. E. P. MacArthur.
2004. *Valerianella radiata* (L.) DuRoi. Beaked Corn-salad. Jefferson Twp., Logan Co. A. G. Welshimer.
2014. *Specularia perfoliata* (L.) A. DC. Venus'-looking-glass. Hopewell Twp., Perry Co. Chas. Reutinger.
2015. *Lobelia cardinalis* L. Cardinal Lobelia. Indian Isles, Logan Co. A. G. Welshimer.
2162. *Aster phlogifolius* Muhl. Thinleaf Purple Aster. Clinton Co. E. E. Terrell, Jr.
2164. *Aster laevis* L. Smooth Aster. Berne Twp., Fairfield Co. Robt. Goslin.
2173. *Aster paniculatus* Lam. Panicked Aster. Stark Co. Don M. Brown.
2179. *Erigeron philadelphicus* L. Philadelphia Fleabane. Ross Co. Gordon S. Crowl.
2182. *Leptilon canadense* (L.) Britt. Common Horseweed. Pike Co. Gordon S. Crowl.
2191. *Eupatorium sessilifolium* L. Upland Boneset. Highland Co. Katie M. Roads.
2194. *Eupatorium urticaefolium* Reich. White Snake-root. Pike Co. Gordon S. Crowl.
2198. *Kuhnia eupatorioides* L. False Boneset. Logan Co. Arthur Harper and A. G. Welshimer.
2206. *Vernonia missurica* Raf. Missouri Ironweed. Jersey Twp., Licking Co. A. E. Waller.
2208. *Elephantopus carolinianus* Willd. Carolina Elephant's-foot. Pike Co. Gordon S. Crowl.
2212. *Achillea millefolium* L. Common Milfoil. Athens, Athens Co. Warren Abbott.
2228. *Artemisia annua* L. Annual Wormwood. Ross Co. Gordon S. Crowl.
2231. *Senecio aureus* L. Golden Squaw-weed. Athens, Athens Co. Warren Abbott. Laurel Twp., Hocking Co. Chas. R. Goslin.
2232. *Senecio obovatus* Muhl. Roundleaf Squaw-weed. Stark Co. and Winesburg, Holmes Co. Don M. Brown. Pike Co. Gordon S. Crowl. Athens Co. Warren Abbott.
2233. *Senecio pauperculus* Mx. Balsam Squaw-weed. Athens, Athens Co. Warren Abbott.
2249. *Cirsium lanceolatum* (L.) Hill. Spear Thistle. Fairfield Co. Chas. R. Goslin.
2251. *Cirsium muticum* Mx. Swamp Thistle. Wood Co. R. E. Shanks. Ross Co. Gordon S. Crowl.
2254. *Onopordon acanthium* L. Scotch Thistle. Near Piatt Castle, Logan Co. A. G. Welshimer.
2258. *Centaurea vochinensis* Bernh. Tyrol Star-thistle. Jefferson Twp., Logan Co. Arthur Harper and A. G. Welshimer. Cuyahoga Co. E. P. MacArthur.
2262. *Cichorium intybus* L. Chicory. Fairfield Co. William Goslin.
2266. *Cynthia virginica* (L.) D. Don. Virginia Cynthia. Holmes Co. E. P. MacArthur.
2274. *Tragopogon porrifolius* L. Salsify. Tillerman Bog, Greenville, Darke Co. Dale W. Jenkins.
2276. *Hieracium paniculatum* L. Panicked Hawkweed. Wood Co. R. E. Shanks.
2277. *Hieracium gronovii* L. Gronovius' Hawkweed. Madison Twp., Scioto Co. F. B. Chapman and Conrad Roth.
2279. *Hieracium scabrum* Mx. Rough Hawkweed. Stark Co. Don M. Brown. Pike Co. Gordon S. Crowl.
2285. *Hieracium greenii* Port. and Britt. Green's Hawkweed. Pike Co. Gordon S. Crowl.
2293. *Nabulus serpentarium* (Pursh) Hook. Lion's-foot. Madison Twp., Fairfield Co. Chas. R. Goslin.
2299. *Sonchus asper* (L.) Hill. Spiny Sow-thistle. Harrison Co. Irma Nelson.
2300. *Lactuca villosa* Jacq. Hairy-veined Blue Lettuce. Fairfield Co. Chas. Goslin.
2303. *Lactuca hirsuta* Muhl. Hairy Lettuce. Ottawa Co. Don M. Brown.